

In re Patent Application of:
AMMAR ET AL.
Serial No. **10/647,681**
Filing Date: **August 25, 2003**

In the Claims:

Claims 1-20 (PREVIOUSLY CANCELLED)

21. (CURRENTLY AMENDED) A method for transferring radio frequency (RF) signals between first and second cooperating circuit boards, which comprises ~~comprising the steps of:~~

positioning a housing member against the first printed circuit board, said housing member including a clip receiving slot and a conductive clip member received within the clip receiving slot, the clip member including only opposing free ends that extend beyond the housing member which can make electrical contact ~~having a connector with opposing ends against the first printed circuit board~~ such that one free end of the ~~connector~~ clip member engages a circuit on the first printed circuit board;

biasing another the other free end of the connector clip member into connection with a circuit of a second printed circuit board; and

transferring RF signals between the boards via the ~~connector~~ conductive clip member.

22. (CURRENTLY AMENDED) A method according to claim 21, and further comprising the step of transferring ground signals using ~~connectors~~ conductive clip members positioned on either side of the ~~connector~~ conductive clip member that transfers RF signals.

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23. (CURRENTLY AMENDED) A method according to claim 21, and further comprising the step of soldering the end of the ~~connector~~ conductive clip member engaging the first printed circuit board.

24. (ORIGINAL) A method according to claim 21, wherein the connector is solderless on at least one end.

25. (CURRENTLY AMENDED) A method according to claim 21, and further comprising a plurality of conductive clip members, and further comprising the step of transferring DC signals ~~using connectors additional to the connector that transfers RF signals.~~

26. (CURRENTLY AMENDED) A method according to claim 21, and further comprising the step of positioning a plurality of housing members adjacent to each other and transferring ground signals using ~~connectors~~ conductive clip members positioned on either side of the ~~connector~~ conductive clip member that transfers RF signals.

27. (ORIGINAL) A method according to claim 21, and further comprising the step of transferring RF signals at no less than 4 GHz.

28. (CURRENTLY AMENDED) A method according to claim 21, wherein the conductive clip member ~~connector~~ comprises one or more surface mount pressure contacts.

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29. (CURRENTLY AMENDED) A method according to claim 21, and further comprising the step of mixing the RF signals with a carrier frequency for passing through a conductive clip member.

30. (CURRENTLY AMENDED) A method of transferring RF signals between first and second cooperating printed circuit boards comprising:

providing a conductive clip member that has only two opposing ends for making electrical contact ~~connector~~ between two boards, without use of connecting wires between the boards such that the conductive clip member ends engage respective boards; and

transferring RF signals between the boards via the ~~connector~~ conductive clip member.

31. (ORIGINAL) A method according to claim 30, and further comprising the step of transferring the RF signals at no less than 4 GHz.

32. (CURRENTLY AMENDED) A method according to claim 30, wherein the conductive clip member ~~connector~~ is solderless on at least one end.

33. (CURRENTLY AMENDED) A method according to claim 30, wherein the conductive clip member ~~connector~~ comprises one or more surface mount contacts.

34. (ORIGINAL) A method according to claim 30, and further comprising the step of mixing the RF signals with a

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carrier frequency and/or other RF processing signals that add functionality.

35. (CURRENTLY AMENDED) A method according to claim 30, and further comprising the step of transferring ground signals using conductive clip members ~~connectors~~ positioned on either side of the conductive clip member ~~connector~~ that transfers RF signals.

36. (CURRENTLY AMENDED) A connector system for transferring RF signals between first and second cooperating printed circuit boards, comprising:

a housing member having a clip receiving slot and a conductive clip member received with the clip receiving slot, wherein the conductive clip member includes only opposing free ends that extend beyond the housing member which can make electrical contact ~~connector with opposing ends that is~~ ~~positioned against the first printed circuit board such that~~ wherein one free end of the ~~connector~~ conductive clip member engages a circuit on the first printed circuit board and ~~another~~ the other free end of the ~~connector~~ conductive clip member is biased into connection with a circuit of the second printed circuit board wherein RF signals are transferred via the ~~connector~~ conductive clip member between the first and second printed circuit boards.

37. (ORIGINAL) A connector system according to claim 36, wherein said RF signals are transferred at frequencies no less than 4 GHz with very low losses.

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38. (CURRENTLY AMENDED) A connector system according to claim 36, wherein the ~~connector~~ conductive clip member is solderless on at least one end.

39. (CURRENTLY AMENDED) A connector system according to claim 36, wherein the conductive clip member comprises one or more surface mount pressure contacts.

40. (ORIGINAL) A connector system according to claim 36, wherein RF signals are mixed with a carrier frequency and/or RF processing signals.